

Course: Principles Of Fire Protection: Structures and Systems
April, 1997

| Standard | Reference | Remarks |
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| 1031—3-2.2 | IG Chapter 5 | Requisite Skills: interpret codes and standards, communicate |
| 1031—3-2.3 | IG Chapter 6 | Recognize the need for a permit |
| 1031—3-2.3 | IG 6-21 | Requisite Knowledge: permit policies |
| 1031—3-2.5 | IG 4-17, 6-36 | Investigate common complaints |
| 1031—3-2.5 | IG 6-36 | Requisite Skills: interpret codes and standards, communicate |
| 1031—3-2.6 | IG 4-17, 6-8 to 6-13 | Maintain files |
| 1031—3-2.7* | IG Chapter 2, 5-1 to 5-16 | Identify applicable codes or standards |
| 1031—3-2.7* | IG Chapters 2 and 5 | Requisite Knowledge: codes and standards adopted |
| 1031—3-3.1 | IG Chapter 3 | Identify occupancy classification of a single-use occupancy |
| 1031—3-3.1 | IG Chapter 3 | Requisite Knowledge: occupancy classifications and standards, fire hazards |
| 1031—3-3.10* | IG 4-61 to 4-63 | Requisite Skills: emergency evacuation requirements |
| 1031—3-3.10* | IG 4-61 to 4-63 | Verify emergency planning and preparedness |
| 1031—3-3.10* | IG 4-61 to 4-63 | Requisite Knowledge: emergency evacuation drills |
| 1031—3-3.12* | IG 4-44, 4-45, 4-49 | Requisite Knowledge: classification, properties, labeling, storage, handling, use of flammable and combustible liquids and gases |
| 1031—3-3.12* | IG 4-44, 4-45, 4-49 | Verify code compliance for incidental storage, handling, and use of flammable and combustible liquids and gases |
| 1031—3-3.14 | IG 4-4 | Recognize hazardous fire growth potential |
| 1031—3-3.2 | IG Chapter 3 | Requisite Knowledge: occupancy classifications and standards, fire hazards |
| 1031—3-3.2 | IG Chapter 3 | Requisite Skills: calculate occupant loads, etc |
| 1031—3-3.2 | IG Chapter 3 | Compute occupant load of single-use occupancy |
| 1031—3-3.4* | IG Chapter 3 | Verify type of construction |
| 1031—3-3.4* | IG Chapter 3 | Requisite Knowledge: types of construction classifications |
| 1031—3-3.5* | IG 1-9, Chapter 7 | Requisite Knowledge: components and operation of fixed fire protection systems |
| 1031—3-3.5* | IG 1-9, Chapter 7 | Determine the operational readiness of existing fixed fire suppression systems |
| 1031—3-3.6* | IG Chapter 7 | Requisite Knowledge: components and operation of fire detection and alarm systems |
| 1031—3-3.6* | IG Chapter 7 | Determine the operational readiness of existing fire detection and alarm systems |

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| 1031—4-2.3 | IG 2-5 to 2-49 | Process a permit application |
| 1031—4-2.3 | IG 2-5 to 2-49 | Requisite Knowledge: permit application process, codes, policies and procedures |
| 1031—4-2.3 | IG 2-5 to 2-49 | Requisite Skills: communicate |
| 1031—4-2.4 | IG 3-1 to 3-147 | Process a plan review application |
| 1031—4-2.6 | IG 6-36 | Investigate complex complaints |
| 1031—4-2.6 | IG 6-36 | Requisite Knowledge: codes and standards adopted |
| 1031—4-2.6 | IG 6-36 | Requisite Skills: interpret codes and standards, communicate |
| 1031—4-3.1 | IG 3-110 to 3-115 | Requisite Knowledge: calculate occupant loads, codes, fire hazards |
| 1031—4-3.1 | IG 3-110 to 3-115 | Requisite Skills: calculate occupant loads, etc |
| 1031—4-3.1 | IG 3-110 to 3-115 | Compute occupant load of multi-use building |
| 1031—4-3.10 | IG 4-1 to 4-88 | Requisite Skills: typical hazards associated with processes or operations utilizing hazardous materials, etc |
| 1031—4-3.10 | IG 4-1 to 4-88 | Requisite Knowledge: hazardous materials properties and hazards, MSDS, etc |
| 1031—4-3.10 | IG 4-1 to 4-88 | Evaluate code compliance for the storage, handling, and use of hazardous materials |
| 1031—4-3.11 | IG 4-1 to 4-88 | Requisite Knowledge: fire behavior, finishes and furnishings, housekeeping |
| 1031—4-3.11 | IG 4-1 to 4-88 | Determine fire growth potential |
| 1031—4-3.11 | IG 4-1 to 4-88 | Requisite Skills: observe, communicate, interpret codes |
| 1031—4-3.2 | IG 4-1 to 4-88 | Requisite Skills: interpret codes and standards, communicate |
| 1031—4-3.2 | IG 4-1 to 4-88 | Requisite Knowledge: occupancy classifications and standards, fire hazards |
| 1031—4-3.2 | IG 4-1 to 4-88 | Identify occupancy classification of a multi-use occupancy |
| 1031—4-3.3 | IG 4-1 to 4-88 | Requisite Skills: characteristics of each type of building construction |
| 1031—4-3.3 | IG 4-1 to 4-88 | Requisite Knowledge: building construction, methods, fire rating and testing, etc |
| 1031—4-3.3 | IG 4-1 to 4-88 | Determine type of construction in a new building |
| 1031—4-3.4* | IG 7-1 to 7-48 | Evaluate fire protection systems and equipment |
| 1031—4-3.6* | IG 4-1 to 4-88 | Requisite Skills: observe, communicate, interpret codes |
| 1031—4-3.6* | IG 4-1 to 4-88 | Requisite Knowledge: codes and standards, fire behavior, etc |
| 1031—4-3.6* | IG 4-1 to 4-88 | Evaluate hazardous conditions involving equipment, processes and operations |
| 1031—4-3.7 | IG 4-1 to 4-88 | Requisite Skills: compare submitted plans and procedures |
| 1031—4-3.7 | IG 4-1 to 4-88 | Requisite Knowledge: occupancy emergency evacuation plans, fire safety, etc |
| 1031—4-3.7 | IG 4-1 to 4-88 | Evaluate emergency planning and preparedness procedures |
| 1031—4-3.8 | IG 7-1 to 7-48 | Verify fire flows for a site |
| 1031—4-3.8 | IG 7-1 to 7-48 | Requisite Knowledge: types of water distribution systems, water sources, etc |

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| 1031—4-3.9 | IG 4-1 to 4-88 | Requisite Skills: typical hazards associated with processes or operations utilizing flammable and combustible liquids, etc |
| 1031—4-3.9 | IG 4-1 to 4-88 | Verify code compliance for incidental storage, handling, and use of flammable and combustible liquids and gases |
| 1031—4-3.9 | IG 4-1 to 4-88 | Requisite Knowledge: properties of flammable and combustible liquids, etc |
| 1031—4-4.1 | IG 3-1 to 3-147 | Classify occupancy type |
| 1031—4-4.1 | IG 3-1 to 3-147 | Requisite Knowledge: occupancy classifications and standards, fire hazards |
| 1031—4-4.1 | IG 3-1 to 3-147 | Requisite Skills: ability to read plans |
| 1031—4-4.2 | IG 3-1 to 3-147 | Requisite Skills: calculate occupant loads, etc |
| 1031—4-4.2 | IG 3-1 to 3-147 | Compute occupant load |
| 1031—4-4.2 | IG 3-1 to 3-147 | Requisite Knowledge: calculate occupant loads, codes, fire hazards |
| 1031—4-4.3 | IG 3-1 to 3-147 | Verify the installation of fire protection systems |
| 1031—4-4.3 | IG 3-1 to 3-147 | Requisite Knowledge: proper selection, distribution, location and testing of portable fire extinguishers, etc |
| 1031—4-4.3 | IG 3-1 to 3-147 | Requisite Skills: read basic floor plans |
| 1031—4-4.4 | IG 3-1 to 3-147 | Requisite Skills: read plans, research codes and standards |
| 1031—4-4.4 | IG 3-1 to 3-147 | Verify that egress elements are provided |
| 1031—4-4.4 | IG 3-1 to 3-147 | Requisite Knowledge: codes and standards, field verification |
| 1031—4-4.5 | IG 3-1 to 3-147 | Requisite Skills: characteristics of each type of building construction |
| 1031—4-4.5 | IG 3-1 to 3-147 | Requisite Knowledge: building construction, methods, fire rating and testing, etc |
| 1031—4-4.5 | IG 3-1 to 3-147 | Field verify construction type of a building |
| 1031—5-2.10 | IG Chapter 5 | Requisite Skills: code-related research, etc |
| 1031—5-2.11 | IG 4-14 | Requisite Skills: plan and organize |
| 1031—5-2.2 | IG Chapter 1 | Requisite Knowledge: development of codes |
| 1031—5-2.4 | IG 2-5 to 2-49 | Requisite Knowledge: legal precedence and various systems of government |
| 1031—5-2.4 | IG Chapter 3 | Requisite Skills: construction methods and materials, etc |
| 1031—5-2.5 | IG 5-1 to 5-16 | Requisite Knowledge: types and sources of publications |
| 1031—5-2.6 | IG Chapter 1 and 6 | Requisite Knowledge: legal authority for permit issuance, etc |
| 1031—5-2.7 | IG Chapter 1 | Requisite Knowledge: legal authority for review, codes and standards |
| 1031—5-2.8 | IG Chapter 1 | Requisite Knowledge: legal procedure for code enforcement, etc |
| 1031—5-3.1 | IG Chapter 3 | Assess alternative methods to adjust occupant loads |
| 1031—5-3.1 | IG Chapter 3 | Requisite Knowledge: construction types only |

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| 1031—5-3.1 | IG 4-61 to 4-63 | Requisite Skills: evacuation plan procedures only |
| 1031—5-3.2 | IG Chapter 3 | Requisite Knowledge: codes and standards, construction types, occupancy requirements, etc |
| 1031—5-3.2 | IG Chapter 3 | Requisite Skills: read plans and reports only |
| 1031—5-3.3 | IG Chapter 3 | Requisite Knowledge: construction types and occupancy requirements only |
| 1031—5-3.4 | IG Chapter 7 | Requisite Knowledge: fire protection systems only |
| 1031—5-3.5 | IG 4-61 to 4-63 | Requisite Knowledge: evacuation procedures only |
| 1031—5-3.6 | IG Chapter 3 | Requisite Skills: ability to read plans |
| 1031—5-3.7 | IG Chapter 3 | Requisite Skills: observe, communicate, interpret codes |
| 1031—5-3.8 | IG Chapter 4 | Requisite Knowledge: properties of flammable and combustible liquids, etc |
| 1031—5-3.8 | IG Chapter 4 | Evaluate alternative compliance measures for storage, handling, and use of flammable or combustible liquids and gases |
| 1031—6-3.1 | IG Chapter 3 | Requisite Skills: ability to read plans |
| 1031—6-3.2 | IG Chapter 3 | Verify classification of occupancy type |
| 1031—6-3.3 | IG Chapter 3 | Requisite Skills: determine construction classification only |
| 1031—6-3.3 | IG Chapter 3 | Requisite Knowledge: types of construction classifications only |
| 1031—6-3.3 | IG Chapter 3 | Verify the classification of construction type |
| 1031—6-3.4 | IG Chapter 3 | Verify occupant load |
| 1031—6-3.4 | IG Chapter 3 | Requisite Skills: calculate occupant loads, etc |
| 1031—6-3.4 | IG Chapter 3 | Requisite Knowledge: calculate occupant loads, codes, fire hazards |